

Abstract

**Small Volume, Fuel Cell Inlet Fuel Gas Distributor
Having Low Pressure Drop**

In a fuel cell stack, an inlet fuel distributor (15, 31, 31a, 31b) comprises a plurality of conduits of substantially equal length and equal flow cross section to uniformly distribute fuel cell inlet fuel from a fuel supply pipe (13) to a fuel inlet manifold (28). The conduits may be either channels (40-47; 64; 67) formed within a plate (39) or tubes (17-23). The channels may have single exits (65) or double exits (52, 53) into the fuel inlet manifold.

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